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2003 Weather Crop 16

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Week Ending July 20, 2003

Crops and Pastures Beginning to Need Rain

Dry, seasonable weather last week allowed farmers to make good progress with all field activities. Isolated rain showers were widespread throughout the State early last week, but rainfall totals varied significantly ranging from over two inches in some areas to none in others. For those areas receiving little or no rainfall, the dry conditions are starting to concern some farmers. Although crop conditions remained mostly in the good category, a general rain is needed in most areas. Almost all of the corn crop has entered the silking or beyond stage with half in the dough stage. Cotton and soybean development was still behind their 5-year averages, but continued to remain stable in their condition rating. Tobacco producers were busy this past week topping plants, applying sucker control, and sidedressing. Other activities around the state included harvesting vegetables, applying insecticides and herbicides, and cutting hay. There were 6 days suitable for field work. As of Friday, topsoil moisture levels were rated 2 percent very short, 25 percent short, 70 percent adequate, and 3 percent surplus, while subsoil moisture levels were rated 2 percent very short, 15 percent short, 80 percent adequate, and 3 percent surplus.

CROP PROGRESS: Through July 20, 2003					CONDITION: On July 18, 2003					
Crop	This Week	Last Week	2002	Five Year Avg.	Item	Very Poor	Poor	Fair	Good	Exc
Percent					Percent					
Corn - Silking	92	90	97	91	Corn	2	6	19	53	20
Corn - Dough	50	20	44	38	Cotton	1	7	30	56	6
Corn - Dent	12	N/A	8	4	Soybeans	1	4	24	55	16
Cotton - Squaring	92	82	98	99	Tobacco	1	7	29	52	11
Cotton - Setting Bolls	30	16	54	61	Pastures	0	4	16	62	18
Soybeans - Blooming	25	13	48	39						
Soybeans - Setting Pods	10	0	22	17						
Tobacco - Topped	22	N/A	20	22						
Alfalfa Hay - Second Cutting	87	77	85	87						

**CORN:** Half of the State’s corn crop has reached the dough stage, nearly four days ahead of the 5-year average. Despite the lack of rain last week, the crop continues to be rated in mostly good-to-excellent condition.

**COTTON:** Conditions remained in the mostly good category, although crop progress lagged behind both last year and the 5-year average. Plant and stink bugs have been reported as light to moderate in some areas.

**SOYBEANS:** Soybean conditions were downgraded slightly from the week earlier, but the crop still remains in mostly good condition. A quarter of the soybean acreage has entered the bloom stage, which is about a week behind normal.

**TOBACCO:** Over one-fifth of the State’s tobacco crop has been topped and was rated in mostly fair-to-good condition. Disease control applications were made last week, as black shank and blue mold continued to create problems in isolated areas.

**PASTURES & HAY:** Range and pasture conditions remained basically unchanged from the previous week at 80 percent good-to-excellent. Farmers took advantage of the favorable weather to make good progress with their second cutting of alfalfa hay.

TEMPERATURES AND PRECIPITATION For week ending: 07/20/03 (with comparisons)										
LOCATION	TEMPERATURE				PRECIPITATION				GDD BASE 60F	
	Week Ending 07/20/03				Current Week	Rain	Current	From	Since April 1	
	HI	LO	AVG	DFN	07/20/03	Days	Since January 1	Normal	Total	DFN
Ames_Plantation	95	67	81	+2	1.52	3	38.76	+7.93	1209	-35
Tri-City_RGNL_A	87	61	75	+0	1.24	1	35.98	+12.08	783	-3
Brownsville_TN	95	69	82	+2	0.52	2	33.89	+3.05	1302	+245
Chattanooga/Lov	90	65	79	+0	0.25	3	42.95	+11.84	1183	+60
Clarksville_Sew	93	66	80	+2	0.00	0	29.04	+0.02	1121	+50
Cookeville	88	64	76	-1	0.13	1	41.55	+8.82	856	+228
Covington	94	68	81	+1	0.09	1	32.10	+1.57	1161	-99
Crossville_AP	85	62	74	+1	0.00	0	41.49	+9.11	780	+51
Dickson_AG	89	60	75	-4	0.30	1	31.61	+0.29	872	-254
Dover_1W	90	66	79	+2	0.03	1	31.25	+1.00	1003	+62
Dyersburg	93	70	81	+1	0.87	4	29.06	-0.07	1258	-93
Erwin_1W	86	61	74	+2	1.02	5	34.29	+5.74	709	-249
Huntingdon_Wate	93	66	80	+2	0.26	2	31.21	+0.66	1085	+82
Jackson_AG	94	68	81	+3	0.51	2	30.42	-0.37	1184	-2
Kingston_AG	88	63	77	+2	0.27	1	38.71	+4.87	895	+45
Knoxville_AP	88	65	78	+2	0.17	1	36.98	+8.72	1050	+91
Lewisburg	90	62	77	+0	0.35	1	40.19	+7.99	953	-22
Lexington_TN	93	65	79	+0	0.94	3	32.63	+2.92	1080	+406
Linden	92	56	76	-2	0.40	3	37.10	+4.57	917	-73
Martin	93	67	79	+0	1.51	2	33.50	+2.83	1108	-26
Mc_Minnville_Tn	90	65	78	+1	0.50	2	38.97	+7.65	1048	-225
Memphis_AG	96	68	82	+0	0.09	2	32.73	+2.76	1280	-228
Milan	94	64	79	+2	0.33	3	33.03	+1.56	1137	+29
Murfreesboro_5N	90	66	78	+0	0.59	3	37.05	+6.43	1004	-260
Nashville_Metro	92	67	79	+0	0.16	1	37.63	+10.00	1123	-52
Newcomb	88	63	75	+2	0.40	3	38.85	+7.24	787	+118
Oneida	86	62	75	+2	0.32	3	36.13	+4.52	769	-280
Pikeville	91	64	77	+1	0.00	0	43.85	+12.64	996	+45
Portland_TN	91	66	77	+1	2.72	2	34.75	+4.60	941	-6
Pulaski_Water_P	91	65	79	-1	0.05	1	39.51	+7.42	999	-194
Savannah_6SW	92	64	78	-3	1.55	5	39.11	+5.52	999	-30
Sparta_TN	89	63	77	+2	0.02	1	41.65	+9.77	1031	+213
Springfield	91	64	77	+0	0.04	1	28.45	-0.54	954	-10
Springhill	93	63	78	+1	0.01	1	37.79	+5.57	1082	+125
Union_City	92	65	78	-1	0.16	2	31.90	+1.84	1036	-77
Waynesboro_TN	91	63	77	+0	0.34	4	36.54	+2.67	950	-198

DFN = Departure From Normal (Using 1961-90 Normals Period).    GDD = Growing Degree Days.  
 Precipitation Days = Days with precip of 0.01 inch or more.    Precipitation (rain or melted snow/ice) in inches.  
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